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## Foreign Documents Branch C I A Periodical Abstracts

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Abstracted in this issue:

<u>Title</u>	<u>Issue</u>	<u>Date</u>
<u>Russian Periodicals</u>		
"Avtomatika i Telemekhanika" (Automatics and Telemechanics) Cards 22-26	Vol VIII No 4 No 5	Jul/Aug 1947 Sep/Oct 1947
"Fel'dsher i Akusherka" (Medical Assistant and Midwife) Cards 20, 61-69	No 3 No 4	Mar 1948 Apr 1948
"Izvestia Akademii Nauk SSSR, Seriya Geologicheskaya" (News of the Academy of Sciences of the USSR, Geology Series) Cards 1,2, 35-45	No 3	May/Jun 1948
"Khirurgiya" (Surgery) Cards 70-74, 98-103	No 4 No 5	Apr 1948 May 1948
"Pediatriya" (Pediatrics) Cards 87-93	No 2	Mar/Apr 1948
"Sbornik Rukovodnyashchikh Materialov i Konsultatsiy po Stroitel'stvu" (Symposium of Guidance Materials and Consultation on Construction) Cards 32,33	No 3	Mar 1948
"Sovetskaya Geologiya" (Soviet Geology) Cards 46-53, 94,95, 106	No 27	Oct 1947
"Terapevticheskiy Arkhiv" (Archive of Therapeutics) Cards 21, 54-60	Vol XX No 1 No 2	Jan/Feb 1948 Mar/Apr 1948
"Uspekhi Khimii" (Progress of Chemistry) Cards 4-19, 34, 104, 105	Vol XVII No 1 No 2	Jan/Feb 1948 Mar/Apr 1948

~~RESTRICTED~~

FDB Periodical Abstracts No 74

~~RESTRICTED~~

"Veterinariya" (Veterinary Medicine)  
Cards 3, 75-86

No 4 Apr 1948

"Za Ekonomiyu Topliva" (Fuel Conservation)  
Cards 27-31, 96,97

Vol V No 4 Apr 1948

NOTE

In indexing these abstracts the following guides are used: MEDICINE - "Quarterly Cumulative Index Medicus," American Medical Association; CHEMISTRY - "Chemical Abstracts Subject Index," American Chemical Society; GENERAL - "Subject Headings for Technical Libraries," US Department of Commerce, Office of Technical Services.

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RESTRICTED

FDB Periodical Abstracts Scientific No 74

RESTRICTED

USSR/Academy of Sciences Geology Geography	May/Jun 1948	USSR/Academy of Sciences Soil Science	May/Jun 1948
"February Session of the Department of Geologic and Geographical Sciences, Academy of Sciences USSR," S. Ardashnikova, 1 p		"Awarding of the Prize Imeni V. R. Vil'yams in 1947," S. Ardashnikova, 1 p	
"Iz Ak Nauk SSR, Ser Geol" No 3		"Iz Ak Nauk SSR, Ser Geol" No 3	
Session was convened 10-12 Feb 1948. Articles submitted for evaluation were: L. S. Berg, Displacement of Continents and I. I. Gorskiy, Ancient Cimmerian Movements in the Urals. Yu. D. Bulanzhe, V. P. Rengarten, A. N. Zavaritskiy offered constructive criticism of the two articles.		According to decree of 20 Jan 1948 of Presidium of Academy of Sciences, subject prize, worth 10,000 rubles, was awarded to Yevten Nikolayevich Mishustin, Doctor of Biological Sciences, for his work "Ecological and Geographical Variations of Soil Bacteria"	
FDB	74T1	FDB	74T2
USSR/Academy of Sciences	Apr 1948	USSR/Academy of Sciences Bibliography	Jan/Feb 1948
"The First Inter-Oblast Conference of Young Scientists and Specialists of Western Siberia" 1 p		"New Books" 3 1/2 pp	
"Veterinariya" No 4		"Uspekhi Khimii" Vol XVII, No 1	
Conference held in Novosibirsk in honor of 30th anniversary of October Revolution. About 80 delegates took part and 19 papers were read. Subjects and authors are given.		List of new Soviet chemical books with brief abstracts of each in following fields: general and inorganic chemistry, analytic chemistry, organic chemistry, physical chemistry, and chemical engineering.	
FDB	74T3	FDB	74T4
USSR/Academy of Sciences Bibliography	Jan/Feb 1948	USSR/Academy of Sciences Biography	Jan/Feb 1948
"Review of 'Chemistry in the Publications of the Academy of Sciences USSR'," N. A. Figurovskiy, 2 pp		"In Memory of Professor Petr Petrovich Lebedev," N. A. Izgaryshev, 2 pp	
"Uspekhi Khimii" Vol XVII, No 1		"Uspekhi Khimii" Vol XVII, No 1	
This is Volume I of a bibliographical series that includes various chemical articles which have appeared in Academy publications from 1728-1930. Volume I, published in 1947, compiled under guidance of V. P. Alekseyev, O. A. Chichagov, and K. I. Shafranovskiy.		Gives brief biography of Lebedev who died 10 Dec 1947 after a period of severe illness. Famous for his work in field of electrochemistry.	
FDB	74T5	FDB	74T6
USSR/Chemistry - Biuret	Jan/Feb 1948	USSR/Chemistry - Resonance, Theory of Chemistry - Benzene Ring	Jan/Feb 1948
"Biuret Reaction," M. I. Plekhan and N. I. Gavrilov, Moscow, 11 pp		"Orientation in the Benzene Ring," M. I. Kabachnik, Moscow, 36 pp	
"Uspekhi Khimii" Vol XVII, No 1		"Uspekhi Khimii" Vol XVII, No 1	
Article was written in honor of 100th anniversary of discovery of Biuret reaction. Describes method and gives its various applications in present-day chemistry.		Describes experimental data, hypotheses and theories, discussion on resonance theory, electron displacement theory, distribution of electrons in plane of benzene ring and distribution of electrons in plane of benzene ring at moment that a reaction is taking place.	
FDB	74T7	FDB	74T8

RESTRICTED		FDB Periodical Abstracts Scientific No 74		RESTRICTED	
USSR/Chemistry - Chromatography Chemistry - Analysis		Jan/Feb 1948	USSR/Chemistry - Carotin Chemistry - Isomerization, of Carotene		Jan/Feb 1948
"Distributive Chromatography and Its Utilization in Analytic Chemistry," N. A. Fuks, Moscow, 10 pp			"Isomerization of Carotin," B. G. Savinov and F. L. Grinberg, Kiev, 11 pp		
"Uspekhi Khimii" Vol XVII, No 1			"Uspekhi Khimii" Vol XVII, No 1		
Describes theory of method, separation and division of organic acids, analysis of penicillin, and of hexachlorocyclohexane.			Describes isomerization of carotin and principal methods in which isocarotin can be utilized.		
FDB		74T9	FDB		74T10
USSR/Chemistry - Photochemistry Chemistry - Dyes		Jan/Feb 1948	USSR/Chemistry - Resonance, Theory of Chemistry - Analysis, Mathematical		Jan/Feb 1948
"Review of 'Photochemistry of Dyestuffs and Allied Organic Compounds' by A. N. Terenin," S. Z. Roginskiy, 1 1/2 pp			"Fundamental Conceptions of the Theory of Superposition of Structures," D. A. Bochvar, Moscow, 28 pp		
"Uspekhi Khimii" Vol XVII, No 1			"Uspekhi Khimii" Vol XVII, No 1		
Valuable addition to Soviet as well as international physical chemical literature. Gives clear picture of work, achievements and knowledge of chemical action of light. Also mentions various fields worthy of further immediate study. Published in 1947.			Article presents a qualitative mathematical and logistical analysis of fundamentals included in basic principles of resonance theory, or those which are directly connected with general theoretical principles obtained from basic resonance theory.		
FDB		74T11	FDB		74T12
USSR/Chemistry - Diffusion Chemistry - Conductance, Thermal		Mar/Apr 1948	USSR/Chemistry - Ultrasonic Waves Chemistry - Analysis		Mar/Apr 1948
"Review of D. A. Frank-Kamenetskiy's Book 'Diffusion and Heat Transmission in Chemical Kinetics'," N. Budan, 1 1/2 pp			"Use of Ultrasonic Methods in the Practice of Physicochemical Research," B. B. Kudryavtsev, Moscow, 15 pp		
"Uspekhi Khimii" Vol XVII, No 2			"Uspekhi Khimii" Vol XVII, No 2		
Monograph was published in 1947 and contains ten chapters. It is valuable and is the first attempt at a systematic representation of data on macroscopic kinetics.			Presents mathematical formulas and historical account of development of ultrasonic methods of measurement as a means for determining physical and chemical characteristics of various materials.		
FDB		74T13	FDB		74T14
USSR/Chemistry - Adsorption, Equilibrium of, on Heterogeneous Surfaces Chemistry - Catalysis		Mar/Apr 1948	USSR/Chemistry - Rectifiers Chemistry - Columns		Mar/Apr 1948
"Statistical Theories of Active Surfaces," V. I. Levin, Moscow, 28 1/2 pp			"Principles and Methods of Laboratory Rectification," M. I. Rozengart, Moscow, 29 1/2 pp		
"Uspekhi Khimii" Vol XVII, No 2			"Uspekhi Khimii" Vol XVII, No 2		
General introduction to subject. Discussion of basic status of theory of heterogeneous surfaces, absorption equilibrium, kinetics of adsorption, and kinetics of heterogenic catalytic reactions.			General introduction to subject. Explains principles for calculations of laboratory columns and some of factors which affect performance of these columns, experimental method for determining number of theoretical disks, contemporary high efficiency laboratory columns, and some of conclusions obtained in studies. Brief list of terms used in subject studies and operations.		
FDB		74T15	FDB		74T16

RESTRICTED	FDB Periodical Abstracts Scientific No 74	RESTRICTED
USSR/Chemistry - Pterins Chemistry - Synthesis Mar/Apr 1948 "Chemistry of Pterins," N. S. Vul'fson, Moscow, 10 pp "Uspekhi Khimii" Vol XVII, No 2 Gives historical account of discovery and isolation of pterins, description of chemical structure of these substances, synthesis and chemical properties of pterins, and some characteristics of folic acid.	USSR/Chemistry - Thermodynamics, Chemical Chemistry - Thermodynamics, Tables for Mar/Apr 1948 "Auxiliary Tables for Calculations on Chemical Thermodynamics," M. I. Tenkin and L. A. Shvartaman, Moscow, 4 pp "Uspekhi Khimii" Vol XVII, No 2 Gives formulas for obtaining tables and a partial list of tables.	
FDB 74T17	FDB 74T18	
USSR/Chemistry - Resins Chemistry - Resinous Products Mar/Apr 1948 "The History of the Growth of Resin Tapping Economy in the USSR," S. F. Flavitskiy, deceased, 10 pp "Uspekhi Khimii" Vol XVII, No 2 Presents biographical review of life of Flavitskiy, one of foremost technicians on resin tapping. Article discusses only historical data.	USSR/Chemistry - Malaria, Prevention Chemistry - Mosquitoes, Eradication Mar 1948 "Small-Scale Hydroengineering Work in the Control of Malaria," A. Konev, 5 pp "Fel'dsher i Akusherka" No 3 Mosquitoes thrive in shallow water, either stagnant or slow moving, overgrown with vegetation. In USSR from 1935-1941, 435,000 hectares of marshland were drained and filled and 200,000 km of small rivers and canals were reconstructed. Much remains to be done and local inhabitants can help with small-scale	
FDB 74T19	FDB 74T20	
USSR/Chemistry - Tuberculosis, Pulmonary, Diagnosis Chemistry - Sputum, Examination Jan/Feb 1948 "The Significance of Cytological Investigation of Sputum in the Diagnosis of Regeneration in the Lungs," T. N. Oleneva, Cand Med Sci, Moscow Municipal Sci Res Tuberculosis Inst, 8 pp "Terapevt Arkhiv" Vol XX, No 1 Diagnosis of regeneration is always difficult, but especially so when secondary inflammation masks presence of real trouble. F. A. Istomina's method of celloidin sections for morphological investigation of sputum can be recommended for more general use.	USSR/Chemistry - Malaria, Prevention (Contd) Mar 1948 work. Leakage around wells can be cemented, ditches dug to drain ponds into rivers, surface vegetation removed, water cisterns covered, etc.	
FDB 74T21	FDB 74T20	
USSR/Chemistry - Tuberculosis, Pulmonary, Diagnosis (Contd) Jan/Feb 1948 It should be applied daily in suspected cases. In absence of sputum, bronchi should be irrigated and washings examined. Article is illustrated with X-ray photographs and diagrams of affected lungs.	USSR/Electronics Electromagnetics Circuits, Linear Jul/Aug 1947 "Resolution of Equations for the Electromagnetic Processes in Linear Circuits," V. I. Kovalenkov, 7 pp "Avtomat i Telemekhan" Vol VIII, No 4 In previous articles author stated his view that all equations representing electromagnetic processes in complex local circuits can be resolved into a corresponding combination of simple equations. Three particular cases are considered in present paper:	
FDB 74T21	FDB 74T22	

RESTRICTED	FDB Periodical Abstracts Scientific No 74	RESTRICTED
USSR/Electronics Calculators Circuits, Electronic  "Cyclic Circuits of Quick-Acting Impulse Calculators," A. V. Netushil, 12 pp  "Avtomat i Telemekhan" Vol VIII, No 4  States general principles of construction of electrical calculating circuits and discusses two- and three-cycle circuits. Some of circuits described are original. Gives qualitative analysis of behavior of calculating circuits with pulses of varying shape and shows necessity of normalizing pulses. Explains	Jul/Aug 1947          FDB 74T23	USSR/Electronics (Contd)  Jul/Aug 1947  (a) two lines with equal constants of time for both conductor and insulator; (b) two lines with identical primary parameters; (c) n symmetrical lines with identical primary parameters.          FDB 74T22
USSR/Electronics (Contd)  factors affecting choice of a calculating system. Draws parallel between relay, thyatron, and electronic calculating systems and makes deductions concerning universality of their principles of operation.	Jul/Aug 1947          FDB 74T23	USSR/Electricity Coils, Chokes Boosters, Voltage  "Method of Designing a Choke Coil Magnetic Amplifier," M. A. Rozenblat, 11 pp  "Avtomati Telemekhan" Vol VIII, No 4  Describes a graphoanalytical method for designing a choke coil magnetic amplifier with an inductive load. Defines optimum parameters of the amplifier in relation to magnitude and character of load. Method of selecting alternating component of magnetic induction is based on obtaining maximum amplification factor. Gives numerical example,  FDB 74T24
USSR/Electronics Circuits - Analysis Circuits, Electronic  "Structural Classification of Contact-Relay Circuits," M. A. Gavrilov, 11 pp  "Avtomati Telemekhan" Vol VIII, No 4  Examines author's classification of contact-relay systems based on their structural characteristics. A series of determinants are obtained, both for contact-relay systems as a whole and for individual types, and structural matrices and diaphragms which characterize various types of contact-relay systems	Jul/Aug 1947          FDB 74T25	USSR/Electricity (Contd)  Jul/Aug 1947  together with results of experimental investigation of a trial model.          FDB 74T24
USSR/Electronics (Contd)  are described.	Jul/Aug 1947          FDB 74T25	USSR/Electronics Regulators, Electronic Circuits, Electronic  "Vyshnegradskiy's Problem in the Theory of Direct Regulation. I. Theory of the Direct Action Regulator, With Coulomb and Viscous Friction," A. Andronov and A. Mayer, 21 pp  "Avtomati Telemekhan" Vol VIII, No 5  Examines, with usual simplifications, so-called basic problem of theory of direct regulation, taking both viscous and coulomb friction into consideration. Using Lyapunov's second method and
FDB	74T25	FDB 74T26



RESTRICTED	FDB Periodical Abstracts Scientific No 74	RESTRICTED	
USSR/Electricity Power Plants - Performance Power Transmission, Electric  "The Moscow Power System of the Ministry of Power Plants USSR" $\frac{1}{2}$ p  "Za Ekonomiyu Topliva" Vol V, No 4  Some basic data for 1947 on largest power system in USSR, Moscow Power System.	Apr 1948	USSR/Electronics (Contd)  theory of point transformation of a surface, investigates qualitative structure of oscillation of corresponding phase amplitude on trajectory. There are also some quantitative characteristics of this phase amplitude which are of practical interest. Results of investigation are expressed as computation charts which enable problems of convergence or divergence of regulating processes to be solved with minimum of calculation. Further data will be published in near future.	Sep/Oct 1947
FDB	74T27	FDB	74T26
USSR/Engineering Fuel Conservation Heating, Industrial  "Layouts of Condensation Stations for the Utilization of Heat for Agricultural Central Heating Systems," B. I. Vul'fson, Cand Tech Sci, 2 $\frac{1}{2}$ pp  "Za Ekonomiyu Topliva" Vol V, No 4  Presents several methods by which excess heat from power stations can be utilized as a source of thermal energy for agricultural central heating systems.	Apr 1948	USSR/Engineering Fuel Conservation Metallurgical Plants  "Increase in Attention to Problems of Fuel Utilization in Ferrous Metallurgical Plants," B. Ye. Teper, Engr, 2 $\frac{1}{2}$ pp  "Za Ekonomiyu Topliva" Vol V, No 4  Discusses some successful methods employed by Ministry of Ferrous Metallurgy in 1947 as means of economizing on expenditure of fuel.	Apr 1948
FDB	74T28	FDB	74T29
USSR/Engineering Fuel Consumption Fuel Conservation  "Method of Operational Control of Fuel Consumption," M. S. Maslennikov, 1 $\frac{1}{2}$ pp  "Za Ekonomiyu Topliva" Vol V, No 4  Presents a recently developed and proved method for operational control of consumption of lump coal. Method is based on amount of by-products and waste products formed due to burning of fuel.	Apr 1948	USSR/Engineering Fuel Conservation Metallurgical Plants  "Summer Use of the Heat of the Exhaust Steam of a Forge Press Plant by the Way of Return in Thermal Electric Stations," P. S. Kolobkov, Cand Tech Sci, 1 p  "Za Ekonomiyu Topliva" Vol V, No 4  In winter exhaust steam of forge press plants is completely utilized. In summer this exhaust is for most part wasted. Author presents several methods by which this waste can be overcome.	Apr 1948
FDB	74T30	FDB	74T31
USSR/Engineering Construction Industry Metallurgical Plants  "The Standard Plans for the Organization of Operations of Construction of Blacksmith, Machine Assembly and Foundry Plants" $\frac{1}{2}$ p  "Sbor Rukovod Mater i Konsult po Stroiu" No 3  Copy of circular letter No B-g-180-57 of 24 Jan 1948, sent in connection with Decree No 673 of 18 Sep 1946 of Ministry of Construction Industries, on standard plans for subject constructions.	Mar 1948	USSR/Engineering Slag Cement  "The Use of Blast Furnace Granulated Slag for the Production of Slag Cement" 1 p  "Sbor Rukovod Mater i Konsult po Stroiu" No 3  Presents various GOST and OST standards established for slag used in cements whose quality is under authority of Technical Administration of Ministry of Construction of Heavy Industry Enterprises.	Mar 1948
FDB	74T32	FDB	74T33

RESTRICTED		FDB Periodical Abstracts Scientific No 74		RESTRICTED	
USSR/Engineering Glass Industry Glass	Mar/Apr 1948	USSR/Geology Sediment Petrology	May/Jun 1948		
<p>"Il'ya Vasil'yevich Grebenshchikov, and the Role of Glass in Modern Engineering," I. I. Kitaygorodskiy, Moscow, 5 pp</p> <p>"Uspekhi Khimii" Vol XVII, No 2</p> <p>On 25 Nov 1947 Department of Chemical Sciences in Leningrad celebrated 60th birthday of Grebenshchikov, best known for his work with optical glass. Describes role of glass in modern engineering as a means of giving an account of valuable work done by Grebenshchikov.</p> <p>FDB 74T34</p>		<p>"The True Role of Bacteria in the Formation of Carbonic Rocks," N. M. Strakhov, 21½ pp</p> <p>"Iz Ak Nauk SSSR, Ser Geol" No 3</p> <p>Results of analyses of biogenic theory of formation of carbonate layers based on data collected on present-day sedimentary deposits.</p> <p>FDB 74T35</p>			
USSR/Geology Stratification Tectonics	May/Jun 1948	USSR/Geology Petrology Sediment	May/Jun 1948		
<p>"Stratigraphy and Age of Early Formation of Central Kazakhstan and Northern T'ien Shan," A. B. Peyve, 24½ pp</p> <p>"Iz Ak Nauk SSSR, Ser Geol" No 3</p> <p>Characteristics of stratigraphic cross sections of ancient strata and comparative study of samples obtained from northern T'ien Shan and central Kazakhstan. Author sets up new classification involving layers of upper proterozoic which, until recently, had been classed as lower paleozoic.</p> <p>FDB 74T36</p>		<p>"Some Morphological Features of Inoceramus and Hieroglyphic Flysch of the Outer (Skibovoy) Zone of the Eastern Carpathians," Yu. M. Pushcharovskiy, 20 pp</p> <p>"Iz Ak Nauk SSSR, Ser Geol" No 3</p> <p>Using data obtained from eocene flysch, author establishes a strong genetic relationship in flysch, and more or less significant relationships on basis of thickness of sand sedimentations. Concludes that</p> <p>FDB 74T37</p>			
USSR/Geology Tectonics Orography	May/Jun 1948	USSR/Geology (Contd)	May/Jun 1948		
<p>"Some Observations on the Orographic System of the Ranges of Central Asia," V. M. Sinitsyn, 5½ pp</p> <p>"Iz Ak Nauk SSR, Ser Geol" No 3</p> <p>Describes orographic relationships of main mountain systems of Central Asia and points out changes, necessarily part of their systems, which support author's new theories on structure of this part of continent.</p> <p>FDB 74T38</p>		<p>latter deposits must be included with flysches in the formations of outer Carpathians.</p> <p>FDB 74T37</p>			
USSR/Geology Petrology Rock Formation	May/Jun 1948	USSR/Geology Petrology Rock Formation	May/Jun 1948		
<p>"Melilite Rocks in the Alkali Complex of the Ensk Rayon of the Kola Peninsula," B. M. Kupletskiy, 22 pp</p> <p>"Iz Ak Nauk SSR, Ser Geol" No 3</p> <p>Discusses characteristics of rich melilite rocks of Ensk region. Shows their close relation to ijolite rocks and describes their genesis by means of metasomatic conversion of ijolite rocks. Discusses composition of melilites and pyroxenes. Gives classification of melilite-nepheline rocks.</p> <p>FDB 74T39</p>		<p>"Petrology of the Yakupyrangite-Urtite Rocks of the Khibinsk Tundras," M. D. Dorfman, 9 pp</p> <p>"Iz Ak Nauk SSR, Ser Geol" No 3</p> <p>Presents new treatise on formation of striated structures based on detailed study of rocks of yakupyrangite-urtite intrusions of Khibinsk Tundras.</p> <p>FDB 74T40</p>			

RESTRICTED	FDB Periodical Abstracts Scientific No 74	RESTRICTED	
USSR/Geological Prospecting Rock Formation Ore Deposits	May/Jun 1948	USSR/Geology Stratification Petrology	May/Jun 1948
"Metamorphism of Sinanchinsk Ores," Ye. A. Radkevich, 10 pp		"The Paleohydrological Method of Stratigraphic Research," B. P. Zhishchenko, 2 pp	
"Iz Ak Nauk SSSR, Ser Geol" No 3		"Iz Ak Nauk SSSR, Ser Geol" No 3	
Describes four stages of metamorphism of Sinanchinsk ores as a result of their contact with later porphyrite dikes. Discusses genesis of deposits, and classes this process as representative for genesis of all cassiterite-sulphide deposits.		Some brief notes on subject method of research based on presence of plant and animal remains in various strata.	
FDB	74T41	FDB	74T42
USSR/Geology Petrology	May/Jun 1948	USSR/Geology Maps	May/Jun 1948
"Geological Age of the Upper Panikskiy Layers of the Don Carboniferous," S. V. Semikhatova, 3 1/4 pp		"Review of the Explanatory Notes to Sheet 45 (Stalinsk) of a RF 1:1000000 Geologic Map of the USSR," V. A. Obruchev, 3 pp	
"Iz Ak Nauk SSSR, Ser Geol" No 3		"Iz Ak Nauk SSSR, Ser Geol" No 3	
Classification of some of fauna discovered in the upper Panikskiy layers in Stalingrad Oblast leads to an estimate of age of this strata.		This explanatory list of 48 pages is incomplete in data. In present form is of no value in giving complete picture of geologic investigations of Stalinsk region.	
FDB	74T43	FDB	74T44
USSR/Geology Orology Rock Formation	May/Jun 1948	USSR/Geological Prospecting Coal Metals	Oct 1947
"Vertical Crushing in Connection With the Formation of Asthenolite," Yu. Kosygin, 8 pp		"Some Results of the Thirty-Year Study of the Geology of the Kuznetsk Basin," V. I. Yavorskiy, 12 pp	
"Iz Ak Nauk SSSR, Ser Geol" No 3		"Sov Geolog" No 27	
Brief criticism, with particular emphasis on title subject, of B. and R. Willis's work "Magmatism and Orogenesis." Discusses James Hall's theories on mechanisms of movements, reasons for lack of historical and geological analyses of tectonic structures, statistics of solid crust of earth,		In 1944 Kuznetsk basin celebrated its 33d anniversary as a source of valuable data regarding coal and metallurgical deposits. Article traces historical development of various surveys and research which was conducted on this, the largest coal and metallurgical basin of USSR.	
FDB	74T45	FDB	74T46
USSR/Geology (Contd)	May/Jun 1948	USSR/Geology Stratification Petrology	Oct 1947
levels of potential crushing and elastic absorption, mechanisms of genesis and development of asthenolite, reasons for vertical crushing, and interatomic displacements and deep currents.		"The Pre-Cambrian and the Special Features of the Stratigraphy of Western Siberia," V. P. Nekhoroshev, 11 pp	
		"Sov Geolog" No 27	
		Presents historical account of various studies conducted to determine geology of pre-Cambrian era and relationship of deposits of that era to those formed during lower paleozoic periods. Object of studies was to clarify geology of Western Siberia.	
FDB	74T45	FDB	74T47

RESTRICTED		FDB Periodical Abstracts Scientific No 74		Oct 1947	
USSR/Geology Stratification Tectonics	Oct 1947	USSR/Geology Tectonics Stratification	Oct 1947		
"Stratigraphy of the Eastern Decline of the Kuznetsk Alatau," A. G. Vologdin, 8 pp		"New Data on the Geology of Gorna Shoriya," A. L. Dobin, 17 pp			
"Sov Geolog" No 27		"Sov Geolog" No 27			
Results of studies conducted to determine extent of oil fields in Cambrian deposits of Siberian platform included a thorough study of stratigraphy of lower paleozoic deposits. Presents brief discussion of geological features of various regions surveyed.		Basic geology and tectonics of subject region. Data collected during a period of 7 years permitted compilation of a new stratigraphical system for Kuznetsk Alatau. Similar methods employed to study Gorna Shoriya region resulted in collection of data which differed greatly from generally accepted views on geology of this region.			
FDB	74T48	FDB	74T49		
USSR/Geology Petrology Minerals	Oct 1947	USSR/Geological Prospecting Manganese Manganese Chlorides	Oct 1947		
"Principal Charts of the Metal Genesis of the Eastern Slopes of the Kuznetsk Alatau," I. K. Bazhenov, 8 pp		"Usinsk Deposits of Manganese Ore," A. L. Dobin, 11 pp			
"Sov Geolog," No 27		"Sov Geolog" No 27			
States that metal genesis in subject region is very complex and still requires much study. Presents some of basic known data obtained as a result of studies on minerals of eastern slopes.		Geologic maps and descriptions of subject region's manganese deposits which only recently came into prominence as valuable source of manganese ores. Basic industrial ore of subject region is manganese chloride and carbonate ore. There are other ores which have an average of 6% manganese content.			
FDB	74T50	FDB	74T51		
USSR/Geological Prospecting Tectonics Molybdenum Ore Deposits	Oct 1947	USSR/Geological Prospecting Tectonics Mercury	Oct 1947		
"Talitskiy Intrusive Masses," A. I. Aleksandrov, 11 pp		"New Data on the Structure of the Mercury Deposits of Oiroi," N. Kh. Belous, ZapSibTsvet MetRazvedka Trust, 11 pp			
"Sov Geolog" No 27		"Sov Geolog" No 27			
Describes geologic structure of region, tungsten deposits, nature of Mul'chinsk and Kazandinsk molybdenum-tungsten deposits, and characteristics of Karakola molybdenum deposits. Geologic maps show some of deposits.		Gives description of Chagan-Uzunskoye, Ak-Tashskoye, Western, Kuraysk, Ryzhiy Log and Chubek-Kul'sk deposits, and description of system of formation of Kuraysk zone and genesis of mercury deposits.			
FDB	74T52	FDB	74T53		
USSR/Medicine - Blood, Circulation Medicine - Blood, Oxygen	Jan/Feb 1948	USSR/Medicine - Blood, Formation Medicine - Anemia	Jan/Feb 1948		
"Anoxia in the Pathology of the Circulation of the Blood," Prof A. I. Gefter, Functional Therapeutic Clinic, Gor'kiy Med Inst imeni S. M. Kirov, 7 pp		"Thirty Years of Soviet Hematology," Prof I. A. Kassirskiy, 8 pp			
"Terapevt Arkhiv" Vol XX, No 1		"Terapevt Arkhiv" Vol XX, No 1			
When investigating anoxia it is important to know percentage utilization of oxygen by cells. Describes in detail a method for doing this.		Reviews Soviet achievements in this field. Mentions particularly Kryukov's theory of blood formation and his study of Addison-Biermer's disease; M. I. Arinkin's work on megaloblasts, intrasternal blood transfusion, anemia, and blood storage.			
FDB	74T54	FDB	74T55		

RESTRICTED	FDB Periodical Abstracts Scientific No 74	RESTRICTED
USSR/Medicine - Anemia, Classification Jan/Feb 1948  "The Classification of Anemia," Prof Kh. Kh. Vlados, and Prof M. S. Dul'tain, Gen Ord of Lenin Inst of Hematology and Blood Transfusion, Acad Med Sci USSR, 14 pp  "Terapevt Arkhiv" Vol XX, No 1  Author proposes that anemia be divided into four groups according to state of organs of blood formation: 1) Regenerative - normocytic anemia; 2) Hyporegenerative - normocytic anemia; 3) Hyporegenerative - macrocytic/microcytic anemia; and 4) Aregenerative - aplastic (hypoplastic) anemia. FDB 74T56	USSR/Medicine - Anemia, Therapy Medicine - Blood, Transfusion Mar/Apr 1948  "The Transfusion of the Erythrocyte Mass According to Data of the Therapeutic Clinic of the Institute imeni Sklifosovskiy, From 1944 to 1947," A. I. Kizilova, Cand Med Sci; Ye. S. Sal'kovskaya, Therapeutic Clinic, Inst imeni Sklifosovskiy, 7 pp  "Terapevt Arkhiv" Vol XX, No 2  Erythrocyte mass which remains after plasma has been removed from blood can be utilized as a source of hemoglobin and erythrocytes for anemic patients. Various case histories are quoted in support of this statement. FDB 74T57	
USSR/Medicine - Riboflavin, Deficiency Medicine - Urine, Examination Mar/Apr 1948  "Decrease of Riboflavin in Urine in Some Diseases of the Internal Organs," B. A. Bondarenko, Functional Therapeutic Clinic, Nav Med Acad, 11 pp  "Terapevt Arkhiv" Vol XX, No 2  Small amounts of riboflavin in urine of patients examined is indicative of vitaminized condition. By comparing various cases, it was found that quantity of riboflavin expelled depends on condition of liver. Excessive riboflavin excretion in cases of septic endocarditis is explained as character- FDB 74T58	USSR/Medicine - Electrotherapy Medicine - Radiography Mar/Apr 1948  "Review of the Work of the Cardiological Section of the Leningrad Department imeni S. P. Botkin of the All-Union Therapeutic Society Over Three Years (1944-1947)" 1 p  "Terapevt Arkhiv" Vol XX, No 2  Under leadership of Professors Krylov and Mandel'shtam institute has been attempting to raise standard of cardiological work and introduce specialist methods (electrocardiotherapy, radiography, phlebometry, etc.). Gives list of lectures. FDB 74T59	
USSR/Medicine - Riboflavin, Deficiency (Contd) Mar/Apr 1948  istic of process itself (duration, degree of intoxication, anemization, etc.), as well as by increased demand for riboflavin by endocardium.  FDB 74T58	USSR/Medicine - Blood Pressure, High Medicine - Therapeutics Mar/Apr 1948  "Minutes of the Meetings of the Moscow Therapeutical Society," Prof B. B. Kogan, Secy 4 pp  "Terapevt Arkhiv" Vol XX, No 2  Gives synopses of following papers: "Erythematic Chronosepsis," "Curing Hypertonic Disease With Thiocyanates," "Etiology and Epidemiology of Hemorrhagic Fever," "Clinic of an Acute Period of Hemorrhagic Fever," "Clinic and Cure of Hemorrhagic Fever"  FDB 74T60	
USSR/Medicine - Public Health, Administration Medicine - Public Health, Progress Mar 1948  "The All-Russian Conference of Active Public Health Workers" 3 pp  "Fel'dsher i Akusherka" No 3  In Nov 1947, Council of Ministers RSFSR subjected work of Ministry of Public Health RSFSR to severe criticism, pointing out grave deficiencies in work of Ministry itself and of local departments and institutions. Cabinet Vice-president Dalmatov, who opened conference, pointed out that service was un- FDB 74T61	USSR/Medicine - Typhus Medicine - Pediculi Mar 1948  "Carriers of Parasitic Typhus," I. Ya. Ass, Docent, 5 pp  "Fel'dsher i Akusherka" No 3  Describes structural and biological peculiarities of lice, their action on human skin and manner in which they transmit spirochaetae and rickettsiae. FDB 74T62	

RESTRICTED	FDB Periodical Abstracts Scientific No 74	RESTRICTED
USSR/Medicine - Public Health, Administration (Contd) Mar 1948	USSR/Medicine - Typhus, Vaccine Medicine - Typhus, Prevention Mar 1948	Mar 1948
satisfactory in spite of recent increases in personnel and material. Minister of Public Health Smirnov said that reorganization, ordered by his department six months previously, had not been carried out by local authorities. Local authorities complained of lack of equipment and some said insufficient attention was paid to local conditions by Ministry. In closing speech, Dalmatov regretted that all organizers and workers were not permeated with a high sense of responsibility.	"Methods of Discovering and Eradicating Nidi of Typhus," V. K. Zhiromirskiy, Cand Med Sci, 5 pp  "Fel'dsher i Akusherka" No 3  Advice to local medical assistants recommends check on lodging houses, railroad men's shacks, foresters' huts, etc., to see that visitors from other districts are bathed and disinfected before admission. When schoolchildren are reported sick, they should be examined for typhus. Every case should be isolated promptly and all clothing disinfected. It is im-	
FDB 74T61	FDB 74T63	
USSR/Medicine - Malaria, Prevention Mar 1948	USSR/Medicine - Typhus, Vaccine (Contd) Mar 1948	Mar 1948
"Experience With the Application of Pentachlorine Preparations in the Control of Malaria," V. A. Nabakov, 3 pp  "Fel'dsher i Akusherka" No 3  Describes successful use of pentachlorine preparations to combat malaria among peat workers in Moscow Oblast in 1947 and concludes by stressing need for chemical industry to attain production level required to satisfy demands of public health service.	portant to locate true source of an outbreak. People who run special risks, laundry workers, railwaymen, police, medical assistants, should be inoculated.	
FDB 74T64	FDB 74T63	
USSR/Medicine - Communicable Diseases Mar 1948 Medicine - Diagnosis	USSR/Medicine - Arthritis Mar 1948 Medicine - Therapeutics	Mar 1948
"The Diagnostic Significance of Examination of the Tongue in Infectious Diseases," A. Ye. Segal, Cand Med Sci, 1 p  "Fel'dsher i Akusherka" No 3  Describes symptoms of scarlatina, typhoid, typhus, influenza, pneumonia, dysentery and sepsis cases indicated on tongue. Examination of tongue is of secondary importance in diagnosis.	"Infectious Arthritis," A. Ye. Segal, Cand Med Sci, 1 p  Fel'dsher i Akusherka" No 3  Explains difference between infectious arthritis and rheumatic polyarthritis. Its cure involves direct action on the site of infection and physiotherapy. Outlines treatments for syphilitic, gonorrheal, and tubercular arthritis.	
FDB 74T65	FDB 74T66	
USSR/Medicine - Water, Supply Apr 1948 Medicine - Water, Purification	USSR/Medicine - Communicable Diseases, Prevention Apr 1948	Apr 1948
"Field Water Supply for Brigades," A. N. Marey, 2 pp  "Fel'dsher i Akusherka" No 4  It is important to ensure an adequate supply of water for agricultural workers, especially during harvesting. Since collective farm chiefs have neither time nor labor available, this is duty of medical worker. Figures are quoted showing daily water requirements of a human being. Drinking water must be boiled or chlorinated.	"Prevention of the Introduction and Propagation of Infectious Diseases in Childrens' Institutions," V. K. Zhitomirskiy, Cand Med Sci, 4 pp  "Fel'dsher i Akusherka" No 4  Describes various prophylactic measures: cleanliness, daily medical examinations, isolation of infected children, inoculation, etc.	
FDB 74T67	FDB 74T68	

RESTRICTED	FDB Periodical Abstracts Scientific No 74	RESTRICTED	
USSR/Medicine - Poisons and Poisoning Medicine - Therapeutics  "Modern Treatment of Sepsis," A. Ye. Segal, Cand Med Sci, 2 pp  "Fel'dsher i Akusherka" No 4  Describes various methods of treatment: Penicillin, sulfa drugs, urotropine, serotherapy, hemotransfusion, autohemotherapy, proteinotherapy, intravenous injection of glucose, subcutaneous injection of cardiazol or corazol.	Apr 1948          74T69	USSR/Medicine - Surgery Medicine - Esophagus  "Minutes of the Meeting of the Moscow Surgical Council of 27 June 1947," N. P. Shastin, 2½ pp  "Khirurgiya" No 4  Discusses case history of a patient after resection of esophagus in the thoracic region. This discussion was started by Ye. G. Gurov. Comments by various scientists on submitted case. Chairman was Prof B. E. Linberg, Secretary, Docent V. A. Zhmur.	Apr 1948          74T70
USSR/Medicine - Penicillin Medicine - Medicine, Military  "New Books," B. A. Ivanov, 5 pp  "Khirurgiya" No 4  Recommends 187 page volume published by Medgiz in 1946 dealing with "Military Medicine on the Voronezh Front." Mentions other books dealing with brain abscesses (Mikhelovich); and collection of articles on penicillin, by Main Administration of Armed Forces of the USSR, 1946, 46 pp.	Apr 1948          74T71	USSR/Medicine - Antiseptics and Antisepsis Medicine - Surgery  "Gramicidin in Surgery," Docent A. A. Manevich, Second Surg Clinic, Tbilisi Inst for Advancement of Doctors, Nth Evacuation Hosp and Gen Repub Hosp for Plastic Surg, 5 pp  "Khirurgiya" No 4  Gramicidin C is a much more effective biological antiseptic than tyrothricin. It is effective against paratraumatic exema. It also showed favorable effects when administered in cases suffering from severe pleural complications.	Apr 1948          74T72
USSR/Medicine - Peritonitis Medicine - Surgery  "Problems of Celiac Typhoidal Perforative Peritonitis," Ya. A. Nol', Cand Med Sci, Chair of Gen Surg, Moscow Med Inst, Ministry of Pub Health RSFSR, and Surg Dept, Hosp imeni Ostroumov, 6½ pp  "Khirurgiya" No 4  Surgery for subject cases results in best and most frequent cures. Pain which is considered a primary symptom also can be an indication of severe intoxication. Even after surgery patient has to be kept under surveillance of surgeon and infection specialist for a long period.	Apr 1948          74T73	USSR/Medicine - Helminths and Helminthiosis Medicine - Intestines, Obstruction  "Four Cases of Intestinal Obstruction Due to Ascarides Excreta," V. R. Akopdzhanyan, Yerevan Inst of Orthopedics and Surg Regeneration, 1½ pp  "Khirurgiya" No 4  Frequently not enough significance is attached to helminthes. It has been determined that Ascarides play an important part in the etiology of intestinal obstruction. Accurate diagnosis can be made only by	Apr 1948          74T74
USSR/Medicine - Hygiene and Sanitation Medicine - Carriers  "Extermination - a Vital Link in the Chain of Sanitation Measures," Acad K. I. Skryabin, 4 pp  "Veterinariya" No 4  There are three links in the chain of sanitation measures: therapy, prophylaxis, and extermination. Extermination is the physical destruction of carriers of infection.	Apr 1948          74T75	USSR/Medicine - Helminths and (Contd) Helminthiosis  surgical means. Sometimes X-rays and blood analyses are helpful in determining presence of Ascarides. In severe cases of obstruction, operation is the only method for alleviating condition.	Apr 1948          74T74

RESTRICTED	FDB Periodical Abstracts Scientific No 74	RESTRICTED	
USSR/Medicine - Strongylosis Medicine - Phenothiazine	Apr 1948	USSR/Medicine - Phenothiazine Medicine - Strongylosis Apr 1948	
"Effectiveness of Phenothiazine Against Strongylosis and Parascaridiasis in a Drove of Horses," Maj P. A. Velichkin, Cand Vet Sci; Lt Col V. P. Logginov; Lt Col V. A. Antonov, Vet Sv, Lab TaUVKZ MVS, 5 pp		"Phenothiazine - a New Anthelmintic Against Strongylosis and Trichonematodiasis in Horses," M. D. Klesov, Cand Vet Sci, and Z. G. Popova, Cand Vet Sci, Ukrainian Inst of Experimental Vet Med, 3 pp	
"Veterinariya" No 4		"Veterinariya" No 4	
Phenothiazine was administered to groups of horses of different ages suffering from above diseases. Presents table of results. Drug is 100% effective for strongylosis and doses are specified for animals of different ages. Same doses are also of use in cases		Describes experimental treatment of horses suffering from subject parasitic diseases. Four hundred and seventy horses whose ages varied from 5 to 15 years were divided into three groups, receiving phenothiazine doses of 0.06, 0.1 and 0 gm kilo.	
FDB	74T76	FDB	74T77
USSR/Medicine - Strongylosis (Contd)	Apr 1948	USSR/Medicine - Phenothiazine (Contd)	Apr 1948
of parascaridiasis, but to a lesser extent. Overdosage may cause hemolysis.		After 20 days, proportion of each group still infected was 4.7%, 2% and 100%, respectively.	
FDB	74T76	FDB	74T77
USSR/Medicine - Phenothiazine Medicine - Parasites	Apr 1948	USSR/Medicine - Phenothiazine Medicine - Strongylosis	Apr 1948
"Phenothiazine in Capillariosis of the Urinary Bladder of Silver Foxes," Prof A. M. Petrov and Prof L. V. Panyasheva, All-Union Inst of Helminthol imeni Acad K. I. Skryabin, 1 p		"Mass Treatment of Horses With Strongylosis, Parascaridiasis and Gastrofilariosis," T. M. Maslov and R. S. Chebotarev, 3 pp	
"Veterinariya" No 4		"Veterinariya" No 4	
Silver foxes often are attacked by parasite Capillaria plica, which causes acute or chronic inflammation of bladder. Fifty foxes were divided into two groups, one of which was treated with phenothiazine. Foxes were then killed and bladder ex-		Describes mass treatment of infected horses with phenothiazine and carbon disulphide. Tabulates doses and results. Treatment was successful in freeing horses completely from subject diseases.	
FDB	74T78	FDB	74T79
USSR/Medicine - Phenothiazine (Contd)	Apr 1948	USSR/Medicine - Cattle, Diseases Medicine - Diagnosis	Apr 1948
amined. Capillariae were found in 80% of the untreated foxes and 24% of the remainder, i.e., phenothiazine is 70% effective in such cases.		"Diagnosis and Therapy of Thelaziasis of Large Cattle Caused by Thelazia skrjabini and T. Gulosa," N. I. Krastin, Cand Vet Sci, Helminthol Sec, Far Eastern Sci Res Vet Med Inst, 3 pp	
FDB	74T78	"Veterinariya" No 4	
		T. skrjabini and T. gulosa, which attack cattle in Asiatic part of the USSR are localized in tear gland. Hence, diagnosis and therapy differ from those for T. rhodesi, which attack cattle in Europe. Diagnosis is described. Two hundred and seventy-seven head of cattle were treated by applying a 0.75% solution of iodine to eye. This proved efficacious in 60% of cases.	
FDB	74T78	FDB	74T80



RESTRICTED

FDB Periodical Abstracts Scientific No 74

RESTRICTED

<p>USSR/Medicine - Helminths and Helminthiosis Medicine - Parasiticoidea</p> <p>Apr 1948</p> <p>"Effectiveness of the Dehelminthization of Foals and Sucklings With Anoplocephalosis," Ye. Ye. Krivoshta, Cand Vet Sci, Rostov Oblast Vet Experimental Sta, 3 pp</p> <p>"Veterinariya" No 4</p> <p>Discusses record of treatment applied to 435 foals. Root extract of male fern with normal filicine content dissolved in turpentine or carbon tetrachloride with vegetable oil added is almost 100% effective in</p> <p>FDB 74T81</p>	<p>USSR/Medicine - Ascariasis Medicine - Parasiticoidea</p> <p>Apr 1948</p> <p>"Extensiveness of Ascaridiasis in Swine and the Time of Contra-Ascaridiasis Dehelminthization," A. I. Krotov, Cand Vet Sci, Chair of Parasitol and Invasive Diseases MZVI, 1 p</p> <p>"Veterinariya" No 4</p> <p>As in other animals, ascaridiasis in pigs is mainly a disease in young. Dehelminthization should be carried out before parasites reach oviparous stage, and is necessary for piglets from 2.5 to 8 months old. A routine is given for central zone of USSR.</p> <p>FDB 74T82</p>
<p>USSR/Medicine- Helminths and (Contd) Helminthiosis</p> <p>Apr 1948</p> <p>cases of anoplocephalosis. Gives details of doses and method of administering them.</p> <p>FDB 74T81</p>	<p>USSR/Medicine - Helminths and Helminthiosis Medicine - Parasiticoidea</p> <p>Apr 1948</p> <p>"Experience in Combatting Fascioliasis in Sheep by Means of Preimaginal Dehelminthization," Z. M. Volkova, Sci Collaborator, All-Union Inst of Helminthol imeni Acad K. I. Skryabin, 3 pp</p> <p>"Veterinariya" No 4</p> <p>Reports treatment of sheep on two farms. Fascioliasis can be completely eliminated by preimaginal dehelminthization with carbon tetrachloride. In certain cases, preliminary treatment with hexa-</p> <p>FDB 74T83</p>
<p>USSR/Medicine - Helminths and Helminthiosis Medicine - Parasiticoidea</p> <p>Apr 1948</p> <p>"Pasture Ground Prophylaxis Against Helminthiasis in Agricultural Animals," D. N. Antipin, Dr Nat Sci, All-Union Inst of Helminthol imeni Acad K. I. Skryabin, 3 pp</p> <p>"Veterinariya" No 4</p> <p>Reviews various methods of controlling helminthism (phenothiazine, carbon tetrachloride, etc.). Stresses advisability of periodic changes of pasture depending on incubation time of each parasite. For example, if egg or larva matures in 6 days, pasture should be changed every 5 days, etc.</p> <p>FDB 74T84</p>	<p>USSR/Medicine - Helminths and (Contd) Helminthiosis</p> <p>Apr 1948</p> <p>chlorethane may be advisable. Presents routine for central zone of USSR.</p> <p>FDB 74T83</p>
<p>USSR/Medicine - Antibiotics Medicine - Aspergillus</p> <p>Apr 1948</p> <p>"Research on Antibiotics From Mold Fungi Aspergillus Niger," A. A. Kovalev, Ukrainian Inst of Experimental Vet Med, 2 pp</p> <p>"Veterinariya" No 4</p> <p>From mold fungi author prepared "Aspergillus No 22," a transparent pale yellow fluid, called "aspergillin" (by analogy with penicillin). It has pleasant smell and taste and is nontoxic in animals. It has bacteriostatic and bacteriocidal properties for both Gram positive and Gram negative bacteria, and has been used successfully in rabbits against B. anthracis.</p> <p>FDB 74T85</p>	<p>USSR/Medicine - Epizootic Diseases Medicine - Parasites</p> <p>Apr 1948</p> <p>"Epizootiology of Dictyocaulosis in Horses," A. M. Barovkova, Cand Biol Sci, All-Union Inst of Helminthol, 2 pp</p> <p>"Veterinariya" No 4</p> <p>Dictyocaulosis is caused by parasite Dictyocaulus arnfieldi. Observations were carried out on 114 horses of various ages. Found that infection of foals began in Aug and reached a maximum in Nov; in many cases it disappeared by spring. Parasite dies in winter, consequently dehelminthization of horses should be carried out 15-20 days before start of pasturing season.</p> <p>FDB 74T86</p>

RESTRICTED		FDB Periodical Abstracts Scientific No 74		RESTRICTED			
USSR/Medicine - Diagnosis Medicine - Infection		Mar/Apr 1948		USSR/Medicine - Diphtheria Medicine - Immunity		Mar/Apr 1948	
<p>"Vascular Symptoms as Indicators of Various Regenerations in the Course of an Infectious Process," Ye. Kh. Ganyushina, A. M. Bagasheva, Ye. D. Belyayeva, R. I. Zayman, N. G. Ovseyevich, Kh. Kh. Paperno, M. P. Pelevina, N. A. Solov'yev, Cen Sci Res Pediatrics Inst, Ministry of Pub Health RSFSR, 5 pp</p> <p>"Pediatriya" No 2</p> <p>Vascular and vegetative symptoms can be considered as possible primary indicators of pathological re-</p>				<p>"The Effect of Sensibilization on the Development of Antitoxic Immunity and on the Course of Diphtheritic Infection in Vaccinated Animals," S. Ya. Feygina, Cen Sci Res Inst imeni Tarashevich, 8 pp</p> <p>"Pediatriya" No 2</p> <p>Reports results obtained in experiments to determine clinical and epidemiological effects of BTsZh vaccines to cause sensibilization and produce antitoxic immunity. It was determined that a single vaccination will guarantee absolute immunity either in a sensibilized or a normal animal.</p>			
FDB		74T87		FDB		74T88	
USSR/Medicine - Diagnosis (Contd)		Mar/Apr 1948		USSR/Medicine - Paralysis, Diphtheritic		Mar/Apr 1948	
<p>generations, and indicate effect of therapeutic measures. Such symptoms can be detected by any physician in any type of clinical conditions and for any type of disease. These symptoms also indicate positive results of early treatment.</p>				<p>Medicine - Therapeutics</p> <p>"The Clinical Aspects and Therapy of Diphtheritic Paralysis," A. G. Patskhverova, G. B. Shapiro, S. M. Sverdlova, Nerve Clinic, Cen Sci Res Pediatrics Inst, Ministry of Pub Health RSFSR, 1 p</p> <p>"Pediatriya" No 2</p> <p>Data collected from 1943-1945 showed that 9.4% of all diphtheritic patients had paralysis. Gives brief description of characteristics of this percentage.</p>			
FDB		74T87		FDB		74T89	
USSR/Medicine - Diphtheria Therapy Medicine - Serotherapy and Hemotherapy		Mar/Apr 1948		USSR/Medicine - Diphtheria, Diagnosis Medicine - Diphtheria, Classification		Mar/Apr 1948	
<p>"Tests on the Application of Serum, Purified According to the Method of the Central Institute of Epidemiology and Medicine, in the Treatment of Diphtheria," Sh. L. Derechenskaya, Infection Clinic Inst of Pediatrics, Acad Med Sci; Ye. Ya. Yermakova, Hosp imeni Rusakova, 5 1/2 pp</p> <p>"Pediatriya" No 2</p> <p>Primary reaction to purified serum appears more frequently, lasts longer and is more intense than</p>				<p>"A Working Classification of the Clinical Forms of Diphtheria," Prof S. N. Rozanov, 4 pp</p> <p>"Pediatriya" No 2</p> <p>Presents table of classifications adopted by Committee on Infectious Diseases, Moscow Oblast Council for Pediatricians.</p>			
FDB		74T90		FDB		74T91	
USSR/Medicine - Diphtheria Therapy (Contd)		Mar/Apr 1948		USSR/Medicine - Scarlet Fever Medicine - Mesoderm and Mesoderm Tissues		Mar/Apr 1948	
<p>reaction to normal serum. However no conclusions reached as to whether purified or normal serum was more effective therapeutic agent.</p>				<p>"Permeability of the Capillaries in Scarlet Fever," Docent R. A. Patushinskaya, Chair of Children's Diseases, Moscow Med Inst, Ministry of Pub Health RSFSR, 4 pp</p> <p>"Pediatriya" No 2</p> <p>Mesenchyma is local morphological change of an allergic nature. All connective tissues are between spaces of capillaries and parenchymatous cells. This complex is also known as hematoparenchymatous barrier. Describes disintegration of barrier during certain diseases, especially scarlet fever.</p>			
FDB		74T90		FDB		74T92	

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FDB Periodical Abstracts Scientific No 74

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USSR/Medicine - Pediatrics Medicine - Penicillin Mar/Apr 1948  "Penicillin Ointment in Pediatrics," E. A. Simanovich, Children's Dept, 64th Polyclinic, Moscow City Health Dept, 1 p  "Pediatriya" No 2  Describes successes obtained from external application of penicillin ointment, especially for such external skin infections as superficial pyoderma. Considered to be best therapeutic substance for treating this infection in children.	USSR/Metals Manganese Mining Methods Oct 1947  "Control of the Chemical Concentration of Carbonate and Manganese Ore of the Usinsk Deposits by Mineralogical Methods," R. V. Getseva, 5 pp  "Sov Geolog" No 27  Gives general introduction and methods employed in surveys. Describes chemical and mineralogical characteristics of basic types of ores. Discusses methods for controlling results of dressing processes.
FDB 74T93	FDB 74T94
USSR/Minerals Tellurium Color - Measurements Oct 1947  "New Means of Determining Tellurium in Polished Cross Sections," S. S. Borishanskaya, NIGRIZoloto, 1 1/2 pp  "Sov Geolog" No 27  Gives description of a new colorographic method.	USSR/Minerals Shale Fuel Consumption Apr 1948  "Combustible Shale - Energetics Base in Kuybyshev," Prof E. Kh. Odel'skiy, 1 1/2 pp  "Za Ekonomiyu Topliva" Vol V, No 4  Describes important role of combustible shale in fuel balance of city of Kuybyshev.
FDB 74T95	FDB 74T96
USSR/Mines Lignite Machines, Grinding Apr 1948  "Abrasion in Mine Mill for Grinding Central Asiatic Lignite," Engr L. I. Kuperman, 5 pp  "Za Ekonomiyu Topliva" Vol V, No 4  Gives results of various tests conducted to increase resistance to wear of the beaters in lignite crushing mills. Mentions experiments conducted at Kizyl-Kii, Sulyutka, Shuraba, Naryna, Angrena, Lengara and other lignite deposits.	USSR/Medicine - Shock, Therapy Medicine - Blood Transfusion May 1948  "The Problem of Shock Treatment by the L. S. Shtern Method," Maj S. V. Sukovatykh, Med Sv, Nth Mil Hosp, 5 pp  "Khirurgiya" No 5  From three series of case observations conclusions were drawn that no existing method of shock treatment was fully effective by itself. Treatment of shock must be complex. L. S. Shtern method of a suboccipital puncture and injection of potassium phosphate into cisterna magna followed by blood transfusion seemed effective.
FDB 74T97	FDB 74T98
USSR/Medicine - Medicine, Military Medicine - Wounds, Therapy May 1948  "New Books," B. A. Ivanov, 1 1/2 pp  "Khirurgiya" No 5  Presents brief reviews of following books: A. M. Geselevich, "Operative Surgery in Combat Zone and Army Area"; T. S. Zatsepin, "Congenital Clubfoot and Its Treatment in Childhood"; N. I. Grashchenkov, "Cranio-cerebral Wounds and Methods of Treatment"; V. M. Mysh, "Data on the History of Wartime Surgery"; "Wound Sepsis (Pathological Anatomy, Diagnosis, Clinic, and Treatment)"; A. B. Topchan, and S. I.	USSR/Medicine - Surgery, Plastic Medicine - Case Records May 1948  "Use of an Organic Glass, 'Plexiglass' in Plastic Surgery," Prof A. M. Dykhno and B. A. Shvarts, Dr Med Sci, Khabarovsk, 5 pp  "Khirurgiya" No 5  Describes use of Plexiglass as an alloplastic in plastic surgery, citing case histories.
FDB 74T99	FDB 74T100

- 17 -

~~RESTRICTED~~

FDB Periodical Abstracts Scientific No 74

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<p>USSR/Medicine - Medicine, Military (Contd) May 1948</p> <p>Finkel'shteyn, "Roentgenological Atlas on Urological Diagnosis"; S. Ya. Freydlin, "Organization of Traumatological Aid in Cities."</p> <p>FDB 74T99</p>	<p>USSR/Medicine - Shock, Surgical May 1948 Medicine - Shock, Therapy</p> <p>"The Problem of Pathogenesis, Prophylaxis, and Therapy of Operative Shock in Transthoracic Esophagectomy," V. A. Stefadu, Surg Clinic, Cen Ord of Lenin Inst of Hematology and Transfusion of Blood, 6 pp</p> <p>"Khirurgiya" No 5</p> <p>One of decisive problems in settling question of a successful outcome in transthoracic esophagectomy is prophylaxis and therapy of operative shock and creation of possibilities for safe operation under conditions involving an open pneumothorax.</p> <p>FDB 74T101</p>
<p>USSR/Medicine - Wounds, Therapy May 1948 Medicine - Germicides</p> <p>"The Treatment of Wounds With Bacillus Prodigiosus," Maj G. M. Fisher, Cand Med Sci, Med Sv, and Maj Lyashko, Med Sv, Nth Lab, Nth Hosp, 3 pp</p> <p>"Khirurgiya" No 5</p> <p>A culture of Bacillus Prodigiosus, applicable in treatment of suppurative wounds, produces rapid elimination of pathogenic microflora in wound and promotes steady epithelial growth in granular wounds. This halts inflammatory process in neighboring tissues.</p> <p>FDB 74T102</p>	<p>USSR/Medicine - Shock, Therapy May 1948 Medicine - Glucose</p> <p>"The Problem of Shock Treatment," Prof V. V. Babuk and Ye. I. Zlotnik, Docent, Chair of Gen Surg, Belorussian Med Inst, 6 pp</p> <p>"Khirurgiya" No 5</p> <p>Method described was based on following: in case of low blood pressure a fluid must be introduced; for in case of occlusion of fluid in the bloodstream, calcium is introduced as a medium for toning peripheral vessels and contracting their walls. Carbohydrate metabolism is disturbed during shock, draining</p> <p>FDB 74T103</p>
<p>USSR/Nuclear Physics - Bibliography Mar/Apr 1948 Bibliography</p> <p>"New Books" 2½ pp</p> <p>"Uspekhi Khimii" Vol XVII, No 2</p> <p>List of Soviet and foreign books in various fields of science. Many new books are translations of foreign works on atomic energy and cosmic rays.</p> <p>FDB 74T104</p>	<p>USSR/Medicine - Shock, Therapy (Contd) May 1948</p> <p>hepatic glycogen; glucose is used here. It is well to inject insulin in proportion to glucose, for glycogen fixation.</p> <p>FDB 74T103</p>
<p>USSR/Physics Mar/Apr 1948 X-Rays - Apparatus</p> <p>"Modern X-Ray Apparatus on Super-High Voltage and Its Use," D. B. Gogoberidze, Leningrad, 2½ pp</p> <p>"Uspekhi Khimii" Vol XVII, No 2</p> <p>Performance of X-ray apparatus operating on 1,000,000 and 2,000,000 Volts. Four photographs of installation.</p> <p>FDB 74T105</p>	<p>USSR/Physics Oct 1947 Light - Absorption Glass, Optical</p> <p>"Graphic Interpretation of the Effect of Anisotropy in Reflected Light for Crossed Nicols," I. S. Volynskiy, 3½ pp</p> <p>"Sov Geolog" No 27</p> <p>Explains anisotropic effect, based on simple case of anisotropy of a transparent mineral. Applies principles to case of a mineral which absorbs light.</p> <p>FDB 74T106</p>